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Appl. No. 10/604,407

Amdt. dated January 04, 2006

Reply to Office action of October 04, 2005

REMARKS

Claims 18-20 are rejected under 35 USC 112 because the recitation of "devicecan", in claim 18, line 8, is indefinite and it should be --device can--

Applicant has amended claim 18 to correct the typographical error "devicecan", and to change the indefinite limitation "display device can display the frame signal" to the definite limitation "a rate of the horizontal lines is within a predetermined limit of the display device for display of the frame signal". No new matter is entered by this amendment. Please refer to the remarks below concerning the 35 USC 102 rejection of claim 18 for further explanation of the other amendments to claim 18.

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Claims 1-2, 6-11, 15-19 and 20 are rejected under 35 USC 102e as being anticipated by Loveridge et al. (US Patent No. 6,545,699)

Applicant has amended independent claims 1 and 9 to include the limitation "adjusting the number of the pixel data of at least one of the horizontal lines such that at least two horizontal lines of the destination frame signal have a different number of pixel data and the first frame rate and the second frame rate are substantially the same." (emphasis added) Similarly, independent claim 18 is amended to include the limitation "adjusting the period of at least one of the horizontal lines such that at least two horizontal lines of the frame signal have a different number of pixel data and a rate of the horizontal lines is within a predetermined limit of the display device for display of the frame signal." (emphasis added) No new matter is entered by these amendments. In particular, please refer to Fig.2 that shows horizontal lines 32, 34, and 36 having a different number of pixel data than that of the other lines in the destination frame 20. Additionally, in paragraph [0023] it is stated, "the number of porch signals in the last horizontal line of the destination frame is reduced and in order to maintain the destination frame rate, at least one of the other horizontal lines in the destination frame has its number of porch signals increased." In other words, according to the present invention, at

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least two horizontal lines in the destination frame have a different number of pixel data.

This is in contrast to Loveridge et al., who teach in col 9, lines 26-28, that
“horizontal scaling may also be optionally performed to maintain the same (or
substantially equal) aspect ratio as the input image frame” and in col 7, lines 34-36,
5 “scaling is performed in horizontal direction also to ensure that the resized image
resembles the source image closely.” Therefore, according to Loveridge et al., after
horizontal scaling is performed, the number of pixel data will be the same in each
horizontal line. This is because, according to Loveridge et al., horizontal scaling is
performed on the frame in order to maintain the same aspect ratio as the input image
10 frame so that the resized image resembles the source image closely.

Because Loveridge et al. do not teach or suggest making at least two horizontal
lines of the destination frame signal have a different number of pixel data, applicant
asserts that currently amended claims 1, 9, and 18 should be found allowable with respect
to the teachings of Loveridge et al. As claims 2-8, 10-17, and 19-20 are dependent on
15 claims 1, 9, and 18, if independent claims 1, 9, and 18 are found allowable, so too should
their dependent claims 2-8, 10-17, and 19-20. Consideration of currently amended claims
1, 9, and 18, and their dependent claims is respectfully requested.

**Claims 3-5, 12-14 and 19 are rejected under 35 USC 103a as being unpatentable
20 over Loveridge et al. in view of McKay et al. (US Patent No. 6,313,822)**

With regard to the above-described amendments of independent claims 1, 9, 18,
applicant asserts that neither Loveridge et al. nor McKay et al. teach the limitation that “at
least two horizontal lines of the destination frame signal have a different number of pixel
data”. For at least this reason, applicant asserts that the combination of teachings of
25 Loveridge et al. nor McKay et al. would not result in the present invention without further
inventive process, and therefore, that the present invention as claimed in currently
amended claims 1, 9, and 18 should not be unpatentable over Loveridge et al. in view of
McKay et al. Consideration of currently amended claims 1, 9, and 18, and their dependent

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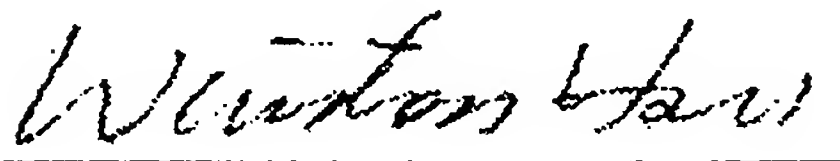
claims is respectfully requested.

New Claims

Applicant has added new dependent claims 21. No new matter is entered. See
5 paragraph [0023] for support in the original specification for the new claims. Concerning
the patentability of the newly added dependent claims with respect to the cited references,
in addition to the above mentioned reasons given for the patentability of currently
amended claims 1, 9, and 18, applicant further points out that neither Loveridge et al. nor
McKay et al. teach reducing a number of porch signals in a last horizontal line of the
10 destination frame, and in order to maintain the second frame rate, for increasing a number
of porch signals in at least one other horizontal line in the destination frame. Therefore,
applicant asserts that newly added claims 21 should be found allowable with respect to
the teachings of Loveridge et al. and McKay et al. Consideration of newly added claims
21 is respectfully requested.

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Sincerely yours,



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is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)